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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/023,650

DATE: 01/16/2002

TIME: 18:34:07

TECH CENTER 1600/2900

Input Set : A:\PF135D2.ST25.txt

Output Set: N:\CRF3\01162002\J023650.raw

ENTERED

3 <110> APPLICANT: Moore et al.
 5 <120> TITLE OF INVENTION: Human Transcription Factor IIA
 7 <130> FILE REFERENCE: PF135D2
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/023,650
 C--> 9 <141> CURRENT FILING DATE: 2001-12-21
 9 <150> PRIOR APPLICATION NUMBER: PCT/US94/10644
 10 <151> PRIOR FILING DATE: 1994-09-20
 12 <150> PRIOR APPLICATION NUMBER: US 08/411,635
 13 <151> PRIOR FILING DATE: 1995-04-11
 15 <150> PRIOR APPLICATION NUMBER: US 08/845,011
 16 <151> PRIOR FILING DATE: 1997-04-22
 18 <160> NUMBER OF SEQ ID NOS: 5
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 804
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: (190)..(519)
 30 <223> OTHER INFORMATION:
 33 <400> SEQUENCE: 1
 34 ggccccctct agaactagt gatcccccg gctgcagga attcggcacg agctggagag 60
 36 gtggtcggag aagtaggaac ctctgcggg gctcgtggcg gcttctgtcc gctccgcgga 120
 38 gggaagcgcc ttccccacag gacatcaatg caagcttgaa taagaaaaac aaattcttcc 180
 40 tcctaagcc atg gca tat cag tta tac aga aat act act ttg gga aac agt 231
 41 Met Ala Tyr Gln Leu Tyr Arg Asn Thr Thr Leu Gly Asn Ser
 42 1 5 10
 44 ctt cag gag agc cta gat gag ctc ata cag tct caa cag atc acc ccc 279
 45 Leu Gln Glu Ser Leu Asp Glu Leu Ile Gln Ser Gln Gln Ile Thr Pro
 46 15 20 25 30
 48 caa ctt gcc ctt caa gtt cta ctt cag ttt gat aag gct ata aat gca 327
 49 Gln Leu Ala Leu Gln Val Leu Leu Gln Phe Asp Lys Ala Ile Asn Ala
 50 35 40 45
 52 gca ctg gct cag agg gtc agg aac aga gtc aat ttc agg ggc tct cta 375
 53 Ala Leu Ala Gln Arg Val Arg Asn Arg Val Asn Phe Arg Gly Ser Leu
 54 50 55 60
 56 aat acg tac aga ttc tgc gat aat gtg tgg act ttt gta ctg aat gat 423
 57 Asn Thr Tyr Arg Phe Cys Asp Asn Val Trp Thr Phe Val Leu Asn Asp
 58 65 70 75
 60 gtt gaa ttc aga gag gtg aca gaa ctt att aaa gtg gat aaa gtg aaa 471
 61 Val Glu Phe Arg Glu Val Thr Glu Leu Ile Lys Val Asp Lys Val Lys
 62 80 85 90
 64 att gta gcc tgt gat ggt aaa aat act ggc tcc aat act aca gaa tga 519
 65 Ile Val Ala Cys Asp Gly Lys Asn Thr Gly Ser Asn Thr Thr Glu
 66 95 100 105
 68 atagaaaaaa tatgactttt ttacaccatc ttctgttatt cattgctttt gaagagaagc 579

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70 atagaagaga ctttttatttt attctagaat tgcagaaatg actacactgt gctaraccag      639
72 agaattccag tagaaagaaa cttgtaactc tgtagcctct tacatcacct ttattataca      699
74 gcatgaaaaa ccataacttt tttttaagga caaaagttgt tgccttccta agaaccttct      759
76 ttaataaact cattttaaaa ctctgaaaaa aaaaaaaaaa aaaaa      804

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79 <210> SEQ ID NO: 2

80 <211> LENGTH: 109

81 <212> TYPE: PRT

82 <213> ORGANISM: Homo sapiens

84 <400> SEQUENCE: 2

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86 Met Ala Tyr Gln Leu Tyr Arg Asn Thr Thr Leu Gly Asn Ser Leu Gln
87 1          5          10          15
90 Glu Ser Leu Asp Glu Leu Ile Gln Ser Gln Gln Ile Thr Pro Gln Leu
91          20          25          30
94 Ala Leu Gln Val Leu Leu Gln Phe Asp Lys Ala Ile Asn Ala Ala Leu
95          35          40          45
98 Ala Gln Arg Val Arg Asn Arg Val Asn Phe Arg Gly Ser Leu Asn Thr
99          50          55          60
102 Tyr Arg Phe Cys Asp Asn Val Trp Thr Phe Val Leu Asn Asp Val Glu
103 65          70          75          80
106 Phe Arg Glu Val Thr Glu Leu Ile Lys Val Asp Lys Val Lys Ile Val
107          85          90          95
110 Ala Cys Asp Gly Lys Asn Thr Gly Ser Asn Thr Thr Glu
111          100          105

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114 <210> SEQ ID NO: 3

115 <211> LENGTH: 29

116 <212> TYPE: DNA

117 <213> ORGANISM: Artificial sequence

119 <220> FEATURE:

120 <223> OTHER INFORMATION: Contains a Bam HI restriction enzyme site

122 <400> SEQUENCE: 3

123 gcggcggatc catggcatat caggtatac 29

126 <210> SEQ ID NO: 4

127 <211> LENGTH: 26

128 <212> TYPE: DNA

129 <213> ORGANISM: Artificial sequence

131 <220> FEATURE:

132 <223> OTHER INFORMATION: Contains complementary sequences to a HindIII site

134 <400> SEQUENCE: 4

135 gcggcaagct tattctgtag tattgg 26

138 <210> SEQ ID NO: 5

139 <211> LENGTH: 121

140 <212> TYPE: PRT

141 <213> ORGANISM: Saccharomyces cerevisiae

143 <400> SEQUENCE: 5

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145 Met Ala Val Pro Gly Tyr Tyr Glu Leu Tyr Arg Arg Ser Thr Ile Gly
146 1          5          10          15
149 Asn Ser Leu Val Asp Ala Leu Asp Thr Leu Ile Ser Asp Gly Arg Ile
150          20          25          30
153 Glu Ala Ser Leu Ala Met Arg Val Leu Glu Thr Phe Asp Lys Val Val

```

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154		35		40		45											
157	Ala	Glu	Thr	Leu	Lys	Asp	Asn	Thr	Gln	Ser	Lys	Leu	Thr	Val	Lys	Gly	
158		50					55					60					
161	Asn	Leu	Asp	Thr	Tyr	Gly	Phe	Cys	Asp	Asp	Val	Trp	Thr	Phe	Ile	Val	
162	65					70					75					80	
165	Lys	Asn	Cys	Gln	Val	Thr	Val	Glu	Asp	Ser	His	Arg	Asp	Ala	Ser	Gln	
166					85					90					95		
169	Asn	Gly	Ser	Gly	Asp	Ser	Ser	Val	Ile	Ser	Val	Asp	Lys	Leu	Arg	Ile	
170				100					105					110			
173	Val	Ala	Cys	Asn	Ser	Lys	Lys	Ser	Glu								
174			115				120										

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date